



# STIC Search Report

EIC 1700

STIC Database Tracking Number: 192863

**TO:** Christine Tierney  
**Location:** REM 8A19  
**Art Unit :** 1700  
**June 15, 2006**

**Case Serial Number:** 10/714474

**From:** Kathleen Fuller  
**Location:** EIC 1700  
**REMSEN 4B28**  
**Phone:** 571/272-2505  
**Kathleen.Fuller@uspto.gov**

Search Notes

109C25

Print Request: Current Document: 1

Time of Request: June 14, 2006 04:08 PM EDT

Number of Lines: 55

Job Number: 1861:103709606

Client ID/Project Name:

Research Information:

Utility, Design and Plant Patents  
patno=6316520

Send to: FULLER, KATHLEEN  
USPTO  
MADISON BLDG WEST  
600 DULANY ST RM 1C09  
ALEXANDRIA, VA 22314

1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6316520

[Link to Claims Section](#)

November 13, 2001

Monolithic polymer composition having a releasing material

**REISSUE:** November 13, 2003 - Reissue Application filed Ex. Gp.: 1732; Re. S.N. 10/714,474 (O.G. February 3, 2004)

**APPL-NO:** 157032 (09)

**FILED-DATE:** September 18, 1998

**GRANTED-DATE:** November 13, 2001

**ASSIGNEE-PRE-ISSUE:** January 19, 1999 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., WACHOVIA BANK, N.A. 191 PEACHTREE STREET, 30TH FLOORATLANTA, GEORGIA, 30303, Reel and Frame Number: 009462/0650

**ASSIGNEE-AT-ISSUE:** Capitol Specialty Plastics, Inc., Auburn, Alabama, United States (US), United States company or corporation (02)

**ASSIGNEE-AFTER-ISSUE:** May 28, 2002 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CAPITOL SEPCIALTY PLASTICS, INC. 2039 MCMILLAN STREETAUBURN, ALABAMA, 36832, Reel and Frame Number: 012916/0862

March 26, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CSP TECHNOLOGIES, INC. 1635 PUMPHREY AVENUEAUBURN, ALABAMA, 96832, Reel and Frame Number: 013887/0830

June 23, 2003 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., CSP TECHNOLOGIES, INC. 1030 RIVERFRONT CENTER P.O. BOX 710AMSTERDAM, NEW YORK, 12010, Reel and Frame Number: 013751/0552

August 29, 2003 - SECURITY AGREEMENT, CSP TECHNOLOGIES, INC. 1030 RIVERFRONT CENTER P.O. BOX 710AMSTERDAM, NEW YORK, 12010, Reel and Frame Number: 013922/0709

July 11, 2005 - SECURITY AGREEMENT, CHARTER ONE BANK, N.A. 1215 SUPERIOR AVENUECLEVELAND, OHIO, 44114, Reel and Frame Number: 016237/0584

September 12, 2005 - SECURITY AGREEMENT, WELLS FARGO BANK, NATIONAL ASSOCIATION 420 MONTGOMERY ST. SAN FRANCISCO CALIFORNIA 94163, Reel and Frame Number: 016522/0130

September 19, 2005 - SECURITY AGREEMENT, WELLS FARGO BANK, NATIONAL ASSOCIATION 420 MONTGOMERY STREET SAN FRANCISCO CALIFORNIA 94163, Reel and Frame Number: 016547/0362

October 17, 2005 - RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS)., CV HOLDINGS, L.L.C. 1030 RIVERFRONT CENTER AMSTERDAM NEW YORK 12010, Reel and Frame Number: 016641/0610

**ASST-EXMR:** McDowell, Suzanne E.

**ENGLISH-ABST:**

The present invention includes processes and resulting structures for producing a modified polymer having interconnecting channels. The interconnecting channels act as controlled transmission passages through the polymer. A hy-

157032 (09) 6316520 November 13, 2001

drophilic agent is blended into the polymer so that it is distributed within the polymer. In one embodiment, a releasing material is blended into the polymer so that the releasing material is distributed within the product. The product is solidified so that the hydrophilic agent forms passages in the product through which a desired composition is communicable to the releasing material that is entrained within the product. The solidified product may be used to form a desired shaped article such as plug type inserts and liners for closed containers, or it may be formed into a film, sheet, bead or pellet.

*Cases*

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- Check for spelling errors.
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*Questel*

Oxazolines as Ligands for Asymmetric Catalysis, Tetrahedron, 1994,  
799--808, vol. 50, No. 3, Elsevier Science Publishers, Amsterdam, NL.

Peer, M. et al, Preparation of Chiral Phosphorus, Sulfur and Selenium  
Containing 2-Aryloxazolines, Tetrahedron, 1996, 7547--7583, vol. 52, No.  
21, Elsevier Science Publishers, Amsterdam, NL.

Loiseleur, O. et al, Enantioselective Heck reactions using chiral P,  
N-Ligands, Journal of Organometallic Chemistry, 1999, 16--22, vol. 576,  
No. 1-2, Elsevier-Sequoia S.A. Lausanne.

**Publication Stage :**

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

**Abstract :**

A new class of chiral bidentate ligands to transition metals is disclosed which compounds have the following structure: (Chemical Structure image '1' not included in text)  
wherein the substituents are as defined herein.

**Update Code :**

2001-47

1 / 1 LGST - ©EPO

**Patent Number :**

US6316620 B1 20011113 [US6316620]

**Application Number :**

US65511500 20000905 [2000US-0655115]

**Action Taken :**

20001114 US/AS-A

ASSIGNMENT

OWNER: BOEHRINGER INGELHEIM PHARMACEUTICALS, INC. 900 RID; EFFECTIVE

DATE: 20001026

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BUSACCA, CARL

A.;REEL/FRAME:011326/0302

**Update Code :**

2004-31

Search statement 3

Query/Command : us6316520/pn

\*\* SS 3: Results 1

Search statement 4

Query/Command : PRT SS 3 MAX 1 LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT

**Patent Number :**

US6316520 B1 20011113 [US6316520]

**Title :**

(B1) Monolithic polymer composition having a releasing material

**Patent Assignee :**

(B1) CAPITOL SPECIALTY PLASTICS INC (US)

**Patent Assignee :**

Capitol Specialty Plastics, Inc., Auburn AL [US]

**Inventor(s) :**

(B1) HEKAL IHAB M (US)

**Application Nbr :**

US15703298 19980918 [1998US-0157032]

**Filing Details :**

C.I.P. of US087830 19980529 [1998US-0087830]

C.I.P. of US812315 19970305 [1997US-0812315]

C.I.P. of US611298 19960305 [1996US-0611298]

C.I.P. of US424996 19950419 [1995US-0424996] (Abandoned)

Continuation-in-part of: US6124006

Continuation-in-part of: US6130263

Continuation-in-part of: US5911937

**Priority Details :**

US15703298 19980918 [1998US-0157032]

US8783098 19980529 [1998US-0087830]

US81231597 19970305 [1997US-0812315]

US61129896 19960305 [1996US-0611298]

US42499695 19950419 [1995US-0424996]

**Intl Patent Class :**

(B1) A01N-025/00 A61L-009/01

**IPC Advanced All :**

B01J-020/28 [2006-01 A - I R M EP]; B29C-045/16 [2006-01 A - I R M EP];

B65D-081/26 [2006-01 A - I R M EP]; C08J-009/26 [2006-01 A - I R M EP];

C08L-023/02 [2006-01 A - I R M EP]; C08L-023/10 [2006-01 A - I R M EP];

C08L-069/00 [2006-01 A - I R M EP]; C08L-077/00 [2006-01 A - I R M EP];

F26B-021/08 [2006-01 A - I R M EP]

C08L-023/08 [2006-01 A - N R M EP]; C08L-029/04 [2006-01 A - N R M EP];

C08L-071/02 [2006-01 A - N R M EP]; C08L-101/00 [2006-01 A - N R M EP]

**IPC Core All :**

B01J-020/28 [2006 C - I R M EP]; B29C-045/16 [2006 C - I R M EP];

B65D-081/26 [2006 C - I R M EP]; C08J-009/00 [2006 C - I R M EP];

C08L-023/00 [2006 C - I R M EP]; C08L-069/00 [2006 C - I R M EP];

C08L-077/00 [2006 C - I R M EP]; F26B-021/06 [2006 C - I R M EP]

C08L-029/00 [2006 C - N R M EP]; C08L-071/00 [2006 C - N R M EP];

C08L-101/00 [2006 C - N R M EP]

**EPO ECLA Class :**

B01J-020/28

B29C-045/16

B65D-081/26E

B65D-081/26F

C08J-009/26

F26B-021/08B

**US Patent Class :**

ORIGINAL (O) : 523102000; CROSS-REFERENCE (X) : 521905000 523122000

523132000 524387000 524503000

**Document Type :**

Corresponding document

**Citations :**

US1481971; US1532831; US2202742; US2511666; US2638179; US2991500;

US3013308; US3101242; US3156402; US3245946; US3256411; US3322355;

US3326810; US3375208; US3537676; US3567085; US3687062; US3704806;

US3730372; US3750966; US3804282; US3833406; US3881026; US3926379;

US3929295; US3931067; US4013566; US4021388; US4029830; US4036360;

US4081397; US4165743; US4201209; US4240937; US4243767; US4284548;

US4284671; US4387803; US4394144; US4405360; US4407897; US4425410;

US4447565; US4464443; US4485204; US4533576; US4547536; US4554297;

US4573258; US4665050; US4686093; US4725393; US4770944; US4772300;

US4783056; US4783206; US4792484; US4834234; US4969998; US4994312;

US5078909; US5114003; US5118655; US5128182; US5130018; US5143763;  
US5154960; US5228532; US5242652; US5267646; US5286407; US5304419;  
US5320778; US5344589; US5393457; US5399609; US5415907; US5432214;  
US5494155; US5496397; US5518761; US5551141; US5580369; US5596051;  
US5633351; US5656503; US5773105; US5814136; US5911937; US6080350;  
DE4013799; EP0172774 A1; EP0225593 A3; EP931087639; WO9629603 E;  
WO9703610 P; WO9727483 P; WO9732663 P; WO9839231 P; WO96333108

**Publication Stage :**

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

**Abstract :**

The present invention includes processes and resulting structures for producing a modified polymer having interconnecting channels. The interconnecting channels act as controlled transmission passages through the polymer. A hydrophilic agent is blended into the polymer so that it is distributed within the polymer. In one embodiment, a releasing material is blended into the polymer so that the releasing material is distributed within the product. The product is solidified so that the hydrophilic agent forms passages in the product through which a desired composition is communicable to the releasing material that is entrained within the product. The solidified product may be used to form a desired shaped article such as plug type inserts and liners for closed containers, or it may be formed into a film, sheet, bead or pellet.

**Update Code :**

2001-47

1 / 1 LGST - ©EPO

**Patent Number :**

US6316520 B1 20011113 [US6316520]

**Application Number :**

US15703298 19980918 [1998US-0157032]

**Action Taken :**

20020528 US/AS-A

ASSIGNMENT

OWNER: CAPITOL SEPCIALTY PLASTICS, INC. 2039 MCMILLAN STR; EFFECTIVE  
DATE: 20010330

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:HEKAL, IHAB  
M.;REEL/FRAME:012916/0862

20020528 US/AS-A

ASSIGNMENT

OWNER: CAPITOL SEPCIALTY PLASTICS, INC. 2039 MCMILLAN STR; EFFECTIVE  
DATE: 20010330

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:HEKAL, IHAB M.  
/AR;REEL/FRAME:012916/0862

20030326 US/AS-A

ASSIGNMENT

OWNER: CSP TECHNOLOGIES, INC. 1635 PUMPHREY AVENUEAUBURN,; EFFECTIVE  
DATE: 20020506

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SOUTH TRUST BANK OF ALABAMA,  
NATIONAL ASSOCIATION;REEL/FRAME:013887/0830

20030623 US/AS-A

ASSIGNMENT

OWNER: CSP TECHNOLOGIES, INC. 1030 RIVERFRONT CENTER P.O.; EFFECTIVE  
DATE: 20000731

CHANGE OF NAME;ASSIGNOR:CAPITOL SPECIALTY PLASTICS,  
INC.;REEL/FRAME:013751/0552

20030829 US/AS-A

ASSIGNMENT

OWNER: CSP TECHNOLOGIES, INC. 1030 RIVERFRONT CENTER P.O.; EFFECTIVE  
DATE: 20020502  
SECURITY AGREEMENT;ASSIGNOR:WACHOVIA BANK;REEL/FRAME:013922/0709

20030829 US/AS-A

ASSIGNMENT

OWNER: CSP TECHNOLOGIES, INC. 1030 RIVERFRONT CENTER P.O.; EFFECTIVE  
DATE: 20020502  
SECURITY AGREEMENT;ASSIGNOR:WACHOVIA BANK /AR;REEL/FRAME:013922/0709

20040203 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031113

Update Code :

2005-50

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

6,316,520 A 20011113 [US6316520]

Patent Assignee :

CSP Technologies Inc

Actions :

20020528 REASSIGNED

ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: HEKAL, IHAB M. DATE SIGNED: 03/30/2001

Assignee: CAPITOL SEPCIALTY PLASTICS, INC. 2039 MCMILLAN STREET AUBURN  
ALABAMA 36832

Reel 012916/Frame 0862

Contact: BARRY J. SCHINDLER 499 PARK AVENUE 20TH FL. NEW YORK, NY 10022

20030326 REASSIGNED

ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: SOUTH TRUST BANK OF ALABAMA, NATIONAL ASSOCIATION DATE SIGNED:  
05/06/2002

Assignee: CSP TECHNOLOGIES, INC. 1635 PUMPHREY AVENUE AUBURN ALABAMA  
96832

Reel 013887/Frame 0830

Contact: GREENBERG TRAURIG BARRY J. SCHINDLER 885 THIRD AVENUE NEW YORK,  
NY 10022

20030623 REASSIGNED

CHANGE OF NAME

Assignor: CAPITOL SPECIALTY PLASTICS, INC., DATE SIGNED: 07/31/2000

Assignee: CSP TECHNOLOGIES, INC., 1030 RIVERFRONT CENTER, P.O. BOX 710,  
AMSTERDAM, NEW YORK, 12010

Reel 013751/Frame 0552

Contact: BARRY J. SCHINDLER, 885 THIRD AVENUE, NEW YORK, NY 10022

20030829 REASSIGNED  
SECURITY AGREEMENT

Assignor: WACHOVIA BANK, DATE SIGNED: 05/02/2002

Assignee: CSP TECHNOLOGIES, INC., 1030 RIVERFRONT CENTER, P.O. BOX 710,  
AMSTERDAM, NEW YORK, 12010

Reel 013922/Frame 0709

Contact: GREENBERG TRAURIG, LLP., BARRY J. SCHINDLER, 885 THIRD AVENUE,  
NEW YORK, NY 10022

20031113 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20040203  
REISSUE REQUEST NUMBER: 10/714474  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1732

Reissue Patent Number:

20050711 REASSIGNED  
SECURITY AGREEMENT

Assignor: CSP TECHNOLOGIES, INC., DATE SIGNED: 04/27/2005

Assignee: CHARTER ONE BANK, N.A., 1215 SUPERIOR AVENUE, CLEVELAND, OHIO,  
44114

Reel 016237/Frame 0584

Contact: ANDREW H. YOST, 2000 HSBC PLAZA, ROCHESTER, NY 14604-2404

20050912 REASSIGNED  
SECURITY AGREEMENT

Assignor: CSP TECHNOLOGIES, INC., DATE SIGNED: 09/07/2005

Assignee: WELLS FARGO BANK, NATIONAL ASSOCIATION, 420 MONTGOMERY ST.,  
SAN FRANCISCO, CALIFORNIA, 94163

Reel 016522/Frame 0130

Contact: GREENBERG TRAURIG, MET LIFE BLDG., 200 PARK AVE., NEW YORK, NY  
10166

20050919 REASSIGNED  
SECURITY AGREEMENT

Assignor: CV HOLDINGS, L.L.C., DATE SIGNED: 09/07/2005

CAPITOL PLASTIC PRODUCTS, L.L.C., DATE SIGNED: 09/07/2005  
CSP TECHNOLOGIES, INC., DATE SIGNED: 09/07/2005  
CAPITOL INSULATED PRODUCTS, INC., DATE SIGNED: 09/07/2005  
CAPITOL CUPS, INC., DATE SIGNED: 09/07/2005

Assignee: WELLS FARGO BANK, NATIONAL ASSOCIATION, 420 MONTGOMERY STREET,  
SAN FRANCISCO, CALIFORNIA, 94163

Reel 016547/Frame 0362

Contact: MS. RANDI FLAMENBAUM, GREENBERG TRAURIG, LLP, MET LIFE  
BUILDING, 200 PARK AVENUE, NEW YORK, NY 10166

20051017 REASSIGNED  
RELEASE BY SECURED PARTY

Assignor: CHARTER ONE BANK, N.A., DATE SIGNED: 09/19/2005

Assignee: CV HOLDINGS, L.L.C., 1030 RIVERFRONT CENTER, P. O. BOX 710,  
AMSTERDAM, NEW YORK, 12010  
CAPITOL PLASTIC PRODUCTS, L.L.C., 1030 RIVERFRONT CENTER, P. O. BOX 710,  
AMSTERDAM, NEW YORK, 12010  
CSP TECHNOLOGIES, INC., 1030 RIVERFRONT CENTER, P. O. BOX 710,  
AMSTERDAM, NEW YORK, 12010  
CAPITOL INSULATED PRODUCTS, INC., 1030 RIVERFRONT CENTER, P. O. BOX  
710, NEW YORK, NEW YORK, 12010  
CAPITOL CUPS, INC., 1030 RIVERFRONT CENTER, P. O. BOX 710, AMSTERDAM,  
NEW YORK, 12010

Reel 016641/Frame 0610

Contact: MS. RANDI FLAMENBAUM, GREENBERG TRAURIG, LLP, MET LIFE  
BUILDING, 200 PARK AVENUE, NEW YORK, NY 10166

Search statement 4

Query/Command : st

Session finished: 14 JUN 2006 Time 22:25:54

LGST - Time in minutes : 0,63  
The cost estimation below is based on Questel's  
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Estimated total session cost : 3.27 USD

CRXX - Time in minutes : 0,47

The cost estimation below is based on Questel's  
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		1
		Estimated cost : 5.80 USD
Cost estimated for the last database search	:	6.69 USD
Estimated total session cost	:	9.96 USD

LITA - Time in minutes : 0,22  
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Estimated total session cost : 10.53 USD

PLUSPAT - Time in minutes : 2,03  
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Estimated cost : 2.98 USD
Cost estimated for the last database search : 8.73 USD
Estimated total session cost : 19.26 USD

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